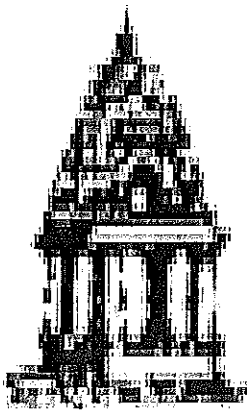
BRUHAT BANGALORE MAHANAGARA PALIKE



Asst.Executive Engineer, Shettyhalli Sub Division,

Name of Work Providing improvements to roads & Drains at Halumuniyappa Layout cross roads at Kammagondanahalli in Ward No.12, in Shettyhalli Sub Division

Est Cost:20.00 (Rs in Lakhs)

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Providing improvements to roads & Drains at Hallumuniyappa Layout cross roads at Kammagondanahalli, in ward no.12, in Shettyhalli Sub-Division

Est .Cost Rs. 20.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing B.S. Slab Drain & Stacking. Page No. 25/ Item No. 5.32/ PWD SR 2015-16	Sqm							
	11th Main		2	340.00		0.90	612.00		
	2nd Cross Road		2	92.00		0.90	165.60		
	3rd Cross Road Temple rd		2	950.00		0.90	1710.00		
	3rd A Cross Road		2	160.00		0.90	288.00		
	3rd B Cross Road		2	120.00		0.90	216.00		
	4th Cross Road		2	133.00		0.90	239.40		
	5th Cross Road		2	66.00		0.90	118.80		
	6th Cross Road		2	72.00		0.90	129.60		
	7th Cross Road		2	330.00		0.90	594.00		
	8th Cross Road		2	64.00		0.90	115.20		
	3rd Cross Road W/S		2	120.00		0.90	216.00		
	2nd Cross Road		2	110.00		0.90	198.00		
	1st A Cross Road YFJ Factory		2	151.00		0.90	271.80		
	2nd B Cross Road		2	160.00		0.90	288.00		
	3rd B Cross Road		2	172.00		0.90	309.60		
	4th B Cross Road		2	188.00		0.90	338.40		
	5th B Cross Road		2	140.00		0.90	252.00		
	Gurunath Badavane		2	120.00		0.90	216.00		
	Gurunath Badavane		2	110.00		0.90	198.00		
	Gurunath Badavane		2	106.00		0.90	190.80		
	Opp MNTI Polytechnic		2	125.00		0.90	225.00		
	Cross Road		2	115.00		0.90	207.00		
	Cross Road		2	120.00		0.90	216.00		
	Cross Road		2	95.00		0.90	171.00		
	Cross Road		2	80.00		0.90	144.00		
							7630.20		
				Consider 40%			**3052.08**	63.72	**194479.00**
	Basic Rate	59.00							
	Area Weightage 8%	4.72							
		63.72							
2	KSRRB 300-1: Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16	Cum							
	11th Main		2	340.00	0.45	0.30	91.80		
	2nd Cross Road		2	92.00	0.45	0.45	37.26		

	3rd Cross Road Temple rd		2	950.00	0.45	0.30	256.50		
	3rd A Cross Road		2	160.00	0.45	0.40	57.60		
	3rd B Cross Road		2	120.00	0.45	0.40	43.20		
	4th Cross Road		2	133.00	0.45	0.45	53.87		
	5th Cross Road		2	66.00	0.45	0.30	17.82		
	6th Cross Road		2	72.00	0.45	0.40	25.92		
	7th Cross Road		2	330.00	0.45	0.30	89.10		
	8th Cross Road		2	64.00	0.45	0.25	14.40		
	3rd Cross Road W/S		2	120.00	0.45	0.45	48.60		
	2nd Cross Road		2	110.00	0.45	0.45	44.55		
	1st A Cross Road YFJ Factory		2	151.00	0.45	0.45	61.16		
	2nd B Cross Road		2	160.00	0.45	0.40	57.60		
	3rd B Cross Road		2	172.00	0.45	0.30	46.44		
	4th B Cross Road		2	188.00	0.45	0.40	67.68		
	5th B Cross Road		2	140.00	0.45	0.45	56.70		
	Gurunath Badavane		2	120.00	0.45	0.45	48.60		
	Gurunath Badavane		2	110.00	0.45	0.45	44.55		
	Gurunath Badavane		2	106.00	0.45	0.45	42.93		
	Opp MNTI Polytechnic		2	125.00	0.45	0.45	50.63		
	Cross Road		2	115.00	0.45	0.45	46.58		
	Cross Road		2	120.00	0.45	0.45	48.60		
	Cross Road		2	95.00	0.45	0.40	34.20		
	Cross Road		2	80.00	0.45	0.45	32.40		
							1418.67	83.16	**117977.00**
	Basic Rate	77.00							
	Area Weightage 8%	6.16							
		83.16							
3	Refixing stone Slabs of Drains & pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2015-16	Sqm							
	Qty Vide Item No-1						**3052.08**	78.84	**240626.00**
	Basic Rate	73.00							
	Area Weightage 8%	5.84							
		78.84							
4	KSRRB 300-3. Earthwork excavation and forming in embankment by manual means in ordinary soil (when earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (Excluding watering and compaction of earth) (with all lead and lift) MORTH/ Chapter 3. Page No. 141/ Item No. 19.3/ PWD SR 2015-16	Cum							
	For Metalling		1	202.00	6.50	0.30	393.90		
							393.90	105.84	**41690.00**
	Basic Rate	98.00							
	Area Weightage 8%	7.84							
		105.84							

5	KSRRB 300-1: Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. in Hard Soil. MORTH/ Chapter 3. Page No. 141/ Item No. 19.2/ PWD SR 2015-16	Cum							
	SVM Ind Road		2	202.00	0.70	0.70	197.96		
	Culverts (Gurunatha Badavane)		2	7.00	2.00	1.20	33.60		
							231.56	115.56	**26759.00**
	Basic Rate	107.00							
	Area Weightage 8%	8.56							
		115.56							
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick Page No. 25/ Item No. 5.31.1/ PWD SR 2015-16.	Sqm							
	BS Slab Drain		2	202.00		1.80	727.20		
							727.20	663.12	**482221.00**
	Basic Rate	614.00							
	Area Weightage 8%	49.12							
		663.12							
7	KSRB 4-1.4: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.86cum and fine aggregate @ 0.58cum machine mixed, concrete laid in layers not exceeding 15cms. Thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2, Page No. 12/ Item No. 4.3/ PWD SR 2015-16.	Cum							
	For Culverts		2	7.00	2.00	0.15	4.20		
							4.20	5070.60	**21297.00**
	Basic Rate	4,695.00							
	Area Weightage 8%	375.60							
		5,070.60							
8	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregate @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15cms. Thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2, Page No. 12/ Item No. 4.1/ PWD SR 2015-16	Cum							

	For Side Walls		2x2	7.00	(0.75+ 0.45)/2	0.90	15.12		
							15.12	5404.32	**81713.00**
	Basic Rate	5,004.00							
	Area Weightage 8%	400.32							
		5,404.32							
9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1:5:3) for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16.	Cum							
	For RCC Covering 1		2	7.00	1.80	0.23	5.80	Qty1	
							5.80	6332.04	**36701.00**
	Basic Rate	5,863.00							
	Area Weightage 8%	469.04							
		6,332.04							
10	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.for TMT Bars Fe 500 Page No. 17/ Item No. 4.46.1/ PWD SR 2015-16	Tonne							
	For Side Walls 5kgs/Sqm	2x2x2x7.0x0.90=50.40x5kg = 252.00kgs/Sqm					2.52		
	For RCC Covering Qty1 80kg/cum						4.64		
							7.16		
					Say		**0.72**	69,805.80	**49959.00**
	Basic Rate	64,635.00							
	Area Weightage 8%	5,170.80							
		69,805.80							
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2015-16	Sqm							
	Walls		2x4	7.00		0.90	50.40		
							50.40	306.72	**15459.00**

	Basic Rate	284.00							
	Area Weightage 8%	22.72							
		306.72							
12	KSRRB M400-14.1: Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregates, watering and compacting to the required density Complete as per Specification. A. By manual means. MORTH Specification No. 404. Type A 13.2mm for grading II. Page No. 156/ Item No. 20.14.1/ PWD SR 2015-16.	Cum							
	Metalling		1	202.00	6.50	0.15	196.95		
							196.95	1751.76	**345009.00**
	Basic Rate	1,622.00							
	Area Weightage 8%	129.76							
		1,751.76							
13	KSRRB M400-14.1: Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregates, watering and compacting to the required density Complete as per Specification. A. By manual means. MORTH Specification No. 404. Type B 11.2mm for grading III. Page No. 156/ Item No. 20.14.3/ PWD SR 2015-16.	Cum							
	Metalling		1	202.00	6.50	0.075	98.48		
	Basic Rate	1,729.00					**98.48**	1867.32	**183884.00**
	Area Weightage 8%	138.32							
		1,867.32							
14	KSRRB 400-1.3: Carriage of mixed materials 10 Krns, For items of Sl.no(2&3) rs. 5.26 per cum/km. Page no 139/ PWD SR 2015-16	Cum							
							295.43	78.54	**23202.00**
	Basic Rate	72.72							
	Area Weightage 8%	5.82							
		78.54							

15	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2015-16)	Cum							
	Qty Vide Item No=1+8						1650.23		
	Qty Limited to						1637.00	72.71	119019.00
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12					1600.00	₹	116336.00
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage 8%	5.39							
	Total	72.71							2352.00
16	Miscellaneous and unforseen Charges								5.00
17	Add 1% For Quality Control Test.								20000.00
								Total	2000000.00
	(Rupees Twenty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2015-16
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

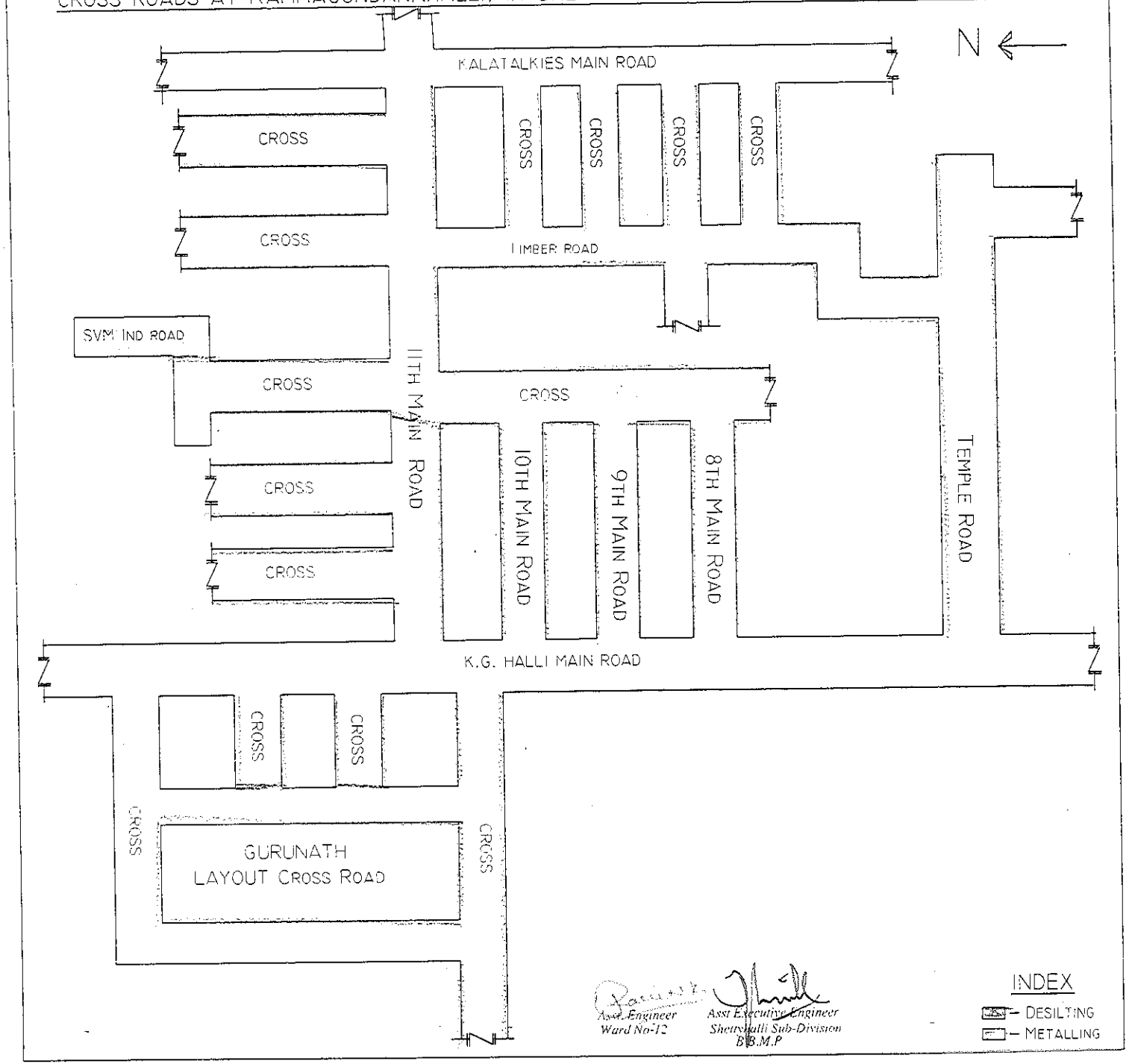
Executive Engineer
Dasarahalli Zone
BBMP

No. EE/DD/AA/49/15-16 : 04/1/2016
20.00 Lakhs (Rupees Twenty lakhs only)

No. EE/DD/TS/49/15-16 : 04/1/2016
20.00 Lakhs (Rupees Twenty lakhs only)

CE/D2/RS/9/15-16 04/01/2016
20,00000/- (Twenty Lakhs only)

SKETCH SHOWING PROVIDING IMPROVEMENTS TO ROADS & DRAINS AT HALLUMUNIYAPPA LAYOUT CROSS ROADS AT KAMMAGONDANAHALLI, IN SHETTYHALLI SUB DIVISION, WARD NO-12.



Asst. Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P